

- d) determining a second tracking signal from both the primary measured values and the secondary measured values,
- e) generating a difference signal based on the comparison of the first and the second tracking signal;
- f) storing the difference signal;
- g) generating a tracking control signal from the second tracking signal while the initial region is moving past the head unit; and
- h) generating a tracking control signal from the first tracking signal and the stored difference signal while the data region is moving past the head unit.--

*X2*  
--~~12~~<sup>2</sup>. Method according to Claim ~~11~~<sup>1</sup>, in which the tracking control signal is outputted to an actuator by means of which the position of the regions, which can be addressed by the head unit on the data medium, is adjustable.--

--~~13~~<sup>3</sup>. Method for recording data by a head unit on a data medium in the form of tape, in which case the method comprises the following steps:

- a) recording a plurality of data tracks on the data medium at the same time, wherein the data tracks are divided into successive data sections, each of which are subdivided into an initial region and a useful region,
- b) recording a primary control track extending within the data section for tracking control of the head unit, and
- c) recording a secondary control track extending only within the initial region of each data section.--

--~~14~~<sup>4</sup>. Magnetic tape having a plurality of longitudinal data tracks which are arranged essentially parallel to one another and are divided into data sections, each of which subdivided into an initial region and a useful region, wherein a primary control track extends within the data section, characterized in that a secondary control track is provided extending only within the respective initial region of each data section.--

*X*

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